ANTI- MAP-2

Anti-Microtubule Associated Protein - 2 (MAP-2) Monoclonal Antibody
Clone AP20

Catalog # 01410 0.2 mg

SPECIFICITY:

MAP-2 (microtubule associated protein-2) is a high molecular weight protein which plays an important role in brain microtubule assembly and interaction with other cytoskeletal elements and cytoplasmic organelles[1]. MAP-2 is a highly specific marker for neurons, being confined to the neuronal cell bodies and dendrites in the central nervous system. MAP-2 is initially evenly distributed in cultured neuronal cells but eventually localizes to the developing dendrites[2,3].

CLONE: AP20

ISOTYPE: IgG_1 (mouse)

PREPARATION:

Monoclonal AP20 was generated by immunizing mice with bovine brain microtubule protein. Purified from hybridoma culture supernatant by affinity chromatography.

FORMAT:

1 mg/mL in phosphate buffered saline, pH 7.6, 0.25M NaCl with 0.1% sodium azide.

STABILITY AND STORAGE:

Store at 2-8ºC in undiluted aliquots. Under these conditions, product stable for up to 6 months.

APPLICATIONS AND DIRECTIONS FOR USE:

Centrifuge tube briefly before use to ensure recovery of entire contents.

Dilute with medium or phosphate buffered saline containing appropriate blocking serum. The optimal working dilution should be determined for each specific application. Refer to the NeuroCult™ Procedure Manual or ES-Cult™ Protocols - Neural available on our website at www.stemcell.com for further instructions on how to use this antibody.

Hazardous Ingredient: Sodium Azide. *Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.*

THIS REAGENT IS FOR RESEARCH ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.

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Revised January 2003

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REFERENCES:

1. Binder, L.I et al. 1984. Proc. Natl. Acad. Sci. USA 81: 5613

2. Caceres, A. et al., 1986. J. Neurosci. 6: 714

3. Dotti, C. G. et al. 1987. Neuroscience 23: 121